

Eco Mortar

The absence of cement, ashes, gypsum and other pozzolanic additions together with its other qualities, make Eco mortar highly suitable for repair and conservation work on traditional, vernacular and historic buildings. In new build the properties of Eco mortar will allow joint free construction, dispersion of condensation and will accommodate small settlement movements.

Eco-friendly Characteristics:

- High vapour exchange qualities
- Produced with lower energy than cementitious mixes
- Re-absorption of CO₂ in curing
- Will not deteriorate timber
- Possibility of recycling the materials used in building
- Elimination of painted finishes

Mechanical Characteristics

		Eco Mortar G	Eco Mortar F
Dry bulk density	kg/m ³	1350	1400
Compressive strength	7 days	1.2	1.0
	28 days	1.9	1.5
	90 days	3.6	3.0
Elasticity Moduli	Mpa	5000	4000
Vapour Permeability	Gr.Air x m ² x hour	0.85	0.89

Available in 2 types:

G granulometry from 3mm to 0.08 for masonry, pointing, dubbing out, first and main coats on renders and rough finishing coats.

F granulometry from 1.18mm to 0.08 for fine joints work, plastering and smooth finishing coats on renders. Available in a wide range of colours. When used as a finishing coat make sure that the backing coat is straight, dry and sufficiently hard to accept the finishing coat.

Packing:

35 kg. Bags

Preparation:

In ordinary drum mixers (mix for about 5 minutes)

Water Addition:

EcoMortar **G** : 4.0 litres - 4.5 litres per bag of 35 kg

EcoMortar **F** : 4.5 litres - 5.0 litres per bag of 35 kg.

Application: on clean and dry background not water proofed. Dampen adequately dry or high suction surfaces. Do not apply at temperatures below 5°C or above 30°C. Protect against strong rain, frost, drying wind or direct strong sun until sufficient hardening has occurred.

Application by spray gun: possible. Please consult us. See also: General Guidelines "Working with EcoMortar".

The above details are given for information purposes only.

Consumption Chart Type G

Render & Plaster Work	KGs per m ² per per mm thick 1.7 KGs	KGs per m ² per 5mm thick 8.5 KGs	Approximate cost per m ² @ 5mm thick £3.31p
Pointing Brick work (Standard bricks)	KGs per m ² @ 10mm deep 1.85 KGs	KGs per m ² @ 20mm deep 3.8 KGS	Approximate cost per m ² @ 10mm deep £0.72p
Construction Brickwork single leaf ½ brick thick	KGs per m ² using a standard 65mm X 103mm X 215mm brick (no frog) 17.4 KGs	KGs per 100 m ² using a standard 65mm X 103mm X 215mm brick (no frog) 1740 KGs	Approximate cost per m ² using a standard 65mm X 103mm X 215mm brick (no frog) £6.72p
Construction Stone Masonry (Typically split faced walling)	KGs per linear m @ 100mm bed X 10mm thick 1.74 KGs	KGs per Linear m @ 150mm bed X 10mm thick 2.61 KGs	Approximate cost per Linear m @ 100mm bed X 10mm thick £0.67p

Type F

Render & Plaster Finishing Coats	KGs per m ² per mm thick 1.8 KGs	KGs per m ² per 5mm thick 9 KGs	Approximate cost per m ² @ 5mm thick £3.96p
Pointing Brick work (Standard bricks)	KGs per m ² @ 10mm deep 2 KGs	KGs per m ² @ 20mm deep 4 KGs	Approximate cost per m ² @ 10mm deep £0.88p
Construction Ashlar Masonry	KGs per Linear m @ 75mm bed width X 5mm thick 0.47 KGs	KGs per Linear m @ 100mm bed width X 5mm thick 0.63 KGs	Approximate cost per Linear m @ 75mm bed width X 5mm thick £0.26p
Pointing Ashlar Masonry	KGs per Linear m @ 5mm thick X 15mm deep 0.1 KGs	KGs per 100 Linear m @ 5mm thick X 15mm deep 10 KGs	Approximate cost per 1 Linear m @ 5mm thick X 15mm deep £0.05p

Costs are correct at time of publication and refer to material only.

If you have any questions or queries please do not hesitate to contact Womersley's Limited on Tel 01924 400651 or call in at our workshop.